

In the Claims

CLAIMS

What is claims is:

5 1. (Currently Amended) ~~Storage~~ A storage element
for at least one brake disc (1) comprising at least one
housing (13) of longitudinal axis (X2), the housing
comprising, at a first longitudinal end, an opening (14)
for inserting the ~~said~~ brake disc (1) having an internal
10 diameter (D14) greater than the external diameter (D7)
of the brake disc, a wall (16) connecting the first
longitudinal end to a second longitudinal end (18),
characterized in that ~~the~~ said housing (13) comprises at
least one suspension means (15) made in the said wall
15 (16) of the ~~said~~ brake disc so that a non-zero distance
separates a first or second face (9, 11) of the brake
disc, facing towards the second longitudinal end of the
housing (13) and ~~the~~ said second end (18).

20 2. (Currently Amended) ~~Storage~~ The storage
element for a brake disc according to Claim 1,
characterized in that ~~the~~ said suspension means is
formed by at least one shoulder (15) connecting a
larger-diameter first cylindrical portion (10) of the
25 longitudinal axis (X2) of a diameter greater than the
diameter (D7) of the brake disc (7) and a smaller-
diameter second portion (12) of the longitudinal axis
(X2), ~~the~~ said shoulder being of width (L) such that
the shoulder collaborates with a radially external end
30 (17) of ~~the~~ said first or second face (9, 11) of the
brake disc.

35 3. (Currently Amended) ~~Element~~ The storage
element according to Claim 2, characterized in that ~~the~~
said shoulder (15) is made of at [sic] two parts (115)
arranged in one and the same plane (Q) and formed by
angular sectors distributed, advantageously uniformly,
over the periphery of the housing (13).

4. (Currently Amended) ~~Storage~~ The storage
element for a brake disc according to Claim 2,
characterized in that ~~the~~ said housing (13) comprises
5 several shoulders (151, 152) arranged in parallel
planes (Q1, Q2) so that the storage element will take
brake discs of different diameters.

5. (Currently Amended) ~~Element~~ The storage
10 element according to ~~the preceding~~ claim 4,
characterized in that each shoulder (151, 152) connects
a larger-diameter part to a smaller-diameter part, the
said smaller-diameter part forming the next larger-
diameter part, and in that each larger-diameter part
15 has an axial dimension along the axis (X2) at least
equal to half the distance separating ~~the~~ said first
and second faces (9, 11) of the brake disc it
accommodates.

20 6. (Currently Amended) ~~Storage~~ The storage
element for a brake disc according to ~~the preceding~~
claim 5, characterized in that the smaller-diameter
portion of ~~the previous~~ said suspension means along the
longitudinal axis (X2) from the first end (14) of the
25 housing (13) towards the second end (18) forms the
larger-diameter portion of ~~the~~ a next suspension means.

7. (Currently Amended) ~~Storage~~ The storage
element for a brake disc according to ~~any one of Claims~~
30 ~~2 to~~ claim 6, characterized in that the width of ~~the~~
said shoulder (15, 151, 152) is preferably between 4 mm
and 10 mm.

8. (Currently Amended) ~~Storage~~ The storage
35 element according to Claim 7, characterized in that the
width of ~~the~~ said shoulder (15, 151, 152) is more
preferably still between 6 mm and 8 mm.

9. (Currently Amended) ~~Storage~~ The storage
element for a brake disc according to Claim 1,
characterized in that the said wall (16) is in the form
of a cone frustum with the taper directed towards the
5 second longitudinal end (18) of the housing.

10. (Currently Amended) ~~Element~~ The storage
element according to ~~any one of the preceding claims~~
claim 9, characterized in that the said housing (13)
10 has a dimension along the axis (X2) at least equal to
the dimension of the brake disc along the axis (X1).

11. (Currently Amended) ~~Element~~ The storage
element according to ~~any one of the preceding claims~~
15 claim 10, ~~characterized in that it is~~ wherein the
element is made of a synthetic material by
thermoforming.

12. (Currently Amended) ~~Element~~ The storage
20 element according to ~~the preceding claim~~ claim 10,
~~characterized in that it~~ wherein the element is made of
thermoplastic polymer, particularly ABS.

13. (Currently Amended) ~~Element~~ The storage
25 element according to ~~Claim 11~~ claim 10, ~~characterized~~
~~in that it~~ wherein the element is made of
polyethylene.

14. (Currently Amended) ~~Element~~ The storage
30 element according to ~~any of the preceding claims~~ claim
10, ~~characterized in that it~~ wherein the element
comprises six housings (13) distributed uniformly and
in that ~~it~~ the element has the shape of a rectangular
parallelepiped.

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15. (Currently Amended) ~~Element~~ The storage
element according to ~~any one of Claims 1 to 13~~ claim
1, characterized in that ~~it~~ the element comprises twelve

housings (13) distributed uniformly and in that ~~it~~ the element has the shape of a rectangular parallelepiped.

5 16. (Currently Amended) ~~Element~~ The storage element according to ~~any one of the preceding claims~~ claim 1, characterized in that the element comprises means (19) allowing several elements to be stacked one on top of the other.

10 17. (Currently Amended) ~~Element~~ The storage element according to ~~the preceding~~ claim 16, characterized in that ~~the~~ said means (19) are grooves extending upwards in the direction of stacking on rims of the storage element.

15 18. (Currently Amended) ~~Element~~ The storage element according to Claim 16, characterized in that ~~the~~ said means are formed of blocks (23) arranged centrally between several housings, advantageously
20 between four housings, and bearing surfaces (21) projecting from the rims towards the inside of ~~the~~ said element for an additional element able to be stacked on the said element.

25 19. (Currently Amended) ~~Element~~ The storage element according to ~~the preceding~~ claim 18, characterized in that ~~the~~ said blocks are formed as an integral part of the housings.

30 20. (Currently Amended) The storage element according to Claim 19 ~~Brake disc storage module,~~ ~~characterized in that it~~ comprises at least two storage elements ~~according to any one of Claims 16 to 19,~~ stacked along the axis (X2).